

RECEIVED
CENTRAL FAX CENTER

ORIGINAL CASE

DOCKET: 1172

DEC 07 2004

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s):
Thomas J Endres
Samir N Hulyalkar
Christopher H Strolle
Troy A Schaffer
Anand M Shah

| | | | | | |
|-------------------|-------|---------|----------|------------|----|
| Post-Net Fax Note | 7671 | Date | 7 DEC 04 | # of Pages | 31 |
| To | USPTO | From | | | |
| Co./Dept. | | Co. | | | |
| Phone # | | Phone # | | | |
| Fax # | | Fax # | | | |

Title : HYBRID SOFT AND HARD DECISION FEEDBACK EQUALIZER

Serial no: 09/549368

Filed: 04/14/00

Examiner: Edith M. Yeh

Art Unit: 2634

IMPORTANT: PLEASE NOTE

THIS PAPER AUTHORIZES THAT ANY ADD-
ITIONAL FEE DUE MAY BE CHARGED TO
THE DEPOSIT ACCOUNT GIVEN BELOW.

ALLAN J. JACOBSON
signature

Commissioner for Patents
PO Box 1450, Alexandria, VA 22313-1450

Sir:-

Transmitted herewith for filing is a response to the third office action
in the above identified patent application. Enclosed are:

- [X] Amendment and response - 15 pages
[X] Additional fee \$110.00
[X] Information Disclosure Statement and PTO/SB/08B (substitute PTO-1449)
enclosed - 15 pages
[X] The Commissioner is hereby authorized to charge the above fee or any
any other fee due, or credit any overpayment to deposit account 100204.

Respectfully submitted,
BY

ALLAN J. JACOBSON

DATED:

Dec 7, 2004

| | |
|--|--|
| ALLAN J. JACOBSON Attorney for Applicant(s) Registration No. 29,079 Intellectual Property Law 13-310 Summit Square Center Route 413 & Doublewoods Road Langhorne, PA 19047, US Telephone: 215 579-1426 | CERTIFICATE OF FACSIMILE TRANSMISSION I hereby certify that each of the within identified papers is being facsimile transmitted to the Patent and Trademark Office on _____ PAGES: 31 FAX NO. 703 872 9306 <i>ALLAN J. JACOBSON</i> ALLAN J. JACOBSON |
|--|--|

BEST AVAILABLE COPY

RECEIVED
CENTRAL FAX CENTER

DEC 07 2004

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Endres, et al.

Title: HYBRID SOFT AND HARD DECISION FEEDBACK EQUALIZER

Examiner: Edith M. Yeh

Serial no: 09/549368

Filed: April 14, 2000

Art unit: 2634

AMENDMENT AND RESPONSE

Commissioner of Patents and Trademarks
Washington, DC 20231

Sir:-

Responsive to the office action mailed, 20 August 2004, please amend the above-identified application as follows:

IN THE SPECIFICATION:

Replace the paragraph on page 3 beginning with "Figures 6-8 is a flow chart diagram...." with the following replacement paragraph:

"Figures 6-8 are flow chart diagrams illustrating the decision rules for operation of a hybrid soft and hard decision feedback equalizer in accordance with the present invention."

IN THE CLAIMS:

Please amend claims 1-29, 32 and 35 as indicated:

09/549368

-1-

1172

**This Page is Inserted by IFW Indexing and Scanning
Operations and is not part of the Official Record**

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- ☐ **BLACK BORDERS**
- ☐ **IMAGE CUT OFF AT TOP, BOTTOM OR SIDES**
- ☐ **FADED TEXT OR DRAWING**
- ☐ **BLURRED OR ILLEGIBLE TEXT OR DRAWING**
- ☐ **SKEWED/SLANTED IMAGES**
- ☐ **COLOR OR BLACK AND WHITE PHOTOGRAPHS**
- ☐ **GRAY SCALE DOCUMENTS**
- ☐ **LINES OR MARKS ON ORIGINAL DOCUMENT**
- ☐ **REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY**
- ☐ **OTHER:** _____

IMAGES ARE BEST AVAILABLE COPY.

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.